

Title (en)

Method for initialising a position measurement system

Title (de)

Verfahren zum Initialisieren eines Positionsmesssystems

Title (fr)

Procédé d'initialisation d'un système de mesure de position

Publication

EP 1843132 A3 20101201 (DE)

Application

EP 07001821 A 20070127

Priority

DE 102006015725 A 20060404

Abstract (en)

[origin: EP1843132A2] During acquisition, absolute tracks (4) are evaluated using a procedure that has a small tolerance with respect to alignment of scanning head and the corresponding scale to determine a precise absolute position for each degree of freedom. Based on approximate absolute positions determined during initialization, an alignment of the object (1) relative to the measuring frame (6) and scanning heads relative to the scales are performed for the small tolerance adhered to during acquisition.

IPC 8 full level

G01D 5/244 (2006.01)

CPC (source: EP US)

G01D 5/24428 (2013.01 - EP US); **G01D 18/001** (2021.05 - EP US)

Citation (search report)

- [IY] DE 19642200 A1 19980416 - HEIDENHAIN GMBH DR JOHANNES [DE]
- [IY] DE 10157112 A1 20030605 - HEIDENHAIN GMBH DR JOHANNES [DE]
- [IY] US 5128609 A 19920707 - HOWLEY COLIN K [GB]
- [IY] EP 1182509 A2 20020227 - ASM LITHOGRAPHY BV [NL]

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC NL PL PT RO SE SI SK TR

Designated extension state (EPC)

AL BA HR MK RS

DOCDB simple family (publication)

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DOCDB simple family (application)

EP 07001821 A 20070127; CN 200710092034 A 20070404; DE 102006015725 A 20060404; JP 2007097090 A 20070403; US 69365507 A 20070329